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**REMARKS**

Claims 18-19 and 21-24 are in the case. In response to the office action, claims 18-19 have been amended, claims 16-17 have been cancelled, and new claims 21-24 have been added. Claims 1-15 and 20 were previously cancelled by preliminary amendment. No new matter has been introduced by the amendments, which are supported by the disclosure of the original claims and the specification. Reconsideration and allowance of the claims are requested.

**CLAIM REJECTIONS**

Independent claim 16, from which all other claims pending in the present application previously depended, was rejected over Wu et al., Van Den Brock et al., Lowry et al., Drabkin, Baldwin, and Campbell, all as more specifically identified in the office action. Claim 16 is hereby cancelled, and new independent claim 21 is hereby added, from which all currently pending claims now depend.

New independent claim 21 claims, *inter alia*, a method for fabricating a resistor by forming a first unsilicided resistor segment with a first electrical resistance and a negative temperature coefficient of resistance, and a second silicided resistor segment with a second electrical resistance and a positive temperature coefficient of resistance, the second segment electrically connected in series with the first segment, where the second electrical resistance is related to the first electrical resistance according to

$$\frac{R_1}{R_2} = \left| \frac{TCR_2}{TCR_1} \right|,$$

where R1 is the first electrical resistance of the first resistor segment, R2 is the second electrical resistance of the second resistor segment, TCR1 is the negative temperature coefficient of resistance of the first resistor segment, and TCR2 is the positive temperature coefficient of resistance of the second resistor segment.

None of the cited references describe such a fabrication process. Thus, claim 21 patentably defines over the cited references. Allowance of claim 21 is respectfully requested. Dependent claims 18-19 and 22-24 depend from independent claim 21, and

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contain additional important aspects of the invention. Therefore, dependent claims 18-19 and 22-24 patentably define over the cited references. Allowance of dependent claims 18-19 and 22-24 is respectfully requested.

#### CONCLUSION

Applicants assert that the claims of the present application patentably define over the prior art made of record and not relied upon for the same reasons as given above. Applicants respectfully submit that a full and complete response to the office action is provided herein, and that the application is now fully in condition for allowance. Action in accordance therewith is respectfully requested.

In the event this response is not timely filed, applicants hereby petition for the appropriate extension of time and request that the fee for the extension be charged to deposit account 12-2355. If other fees are required by this amendment, such as fees for additional claims, such fees may be charged to deposit account 12-2252. Should the examiner require further clarification of the invention, it is requested that s/he contact the undersigned before issuing the next office action.

Sincerely,

LUEDEKA, NEELY & GRAHAM, P.C.

By: 

Rick Barnes, 39,596

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